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RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/084,826

DATE: 03/12/2002

TIME: 09:56:30

Input Set : N:\CrF3\RULE60\10084826.raw
 Output Set: N:\CRF3\03122002\J084826.raw

1 <110> APPLICANT: WOLFFE, Alan P.
 2 COLLINGWOOD, Trevor
 3 <120> TITLE OF INVENTION: TARGETED MODIFICATION OF CHROMATIN STRUCTURE
 4 <130> FILE REFERENCE: 8325-0014 / S14-US1
 5 <140> CURRENT APPLICATION NUMBER: 10/084,826
 6 <141> CURRENT FILING DATE: 2002-02-24
 7 <150> PRIOR APPLICATION NUMBER: 09/844,508
 8 <151> PRIOR FILING DATE: 2001-04-27
 9 <150> PRIOR APPLICATION NUMBER: 60/228,523
 10 <151> PRIOR FILING DATE: 2000-08-28
 11 <160> NUMBER OF SEQ ID NOS: 49
 12 <170> SOFTWARE: PatentIn Ver. 2.0
 14 <210> SEQ ID NO: 1
 15 <211> LENGTH: 9
 16 <212> TYPE: DNA
 17 <213> ORGANISM: Artificial Sequence
 18 <220> FEATURE:
 19 <223> OTHER INFORMATION: Description of Artificial Sequence: Veg 1 target
 20 site 3' to 5'
 21 <400> SEQUENCE: 1
 22 cccctccta
 24 <210> SEQ ID NO: 2
 25 <211> LENGTH: 9
 26 <212> TYPE: DNA
 27 <213> ORGANISM: Artificial Sequence
 28 <220> FEATURE:
 29 <223> OTHER INFORMATION: Description of Artificial Sequence: Veg 1 target
 30 site 5' to 3'
 31 <400> SEQUENCE: 2
 32 ggggaggat
 34 <210> SEQ ID NO: 3
 35 <211> LENGTH: 7
 36 <212> TYPE: PRT
 37 <213> ORGANISM: Artificial Sequence
 38 <220> FEATURE:
 39 <223> OTHER INFORMATION: Description of Artificial Sequence: Veg 1 AA
 40 sequence F1
 41 <400> SEQUENCE: 3
 42 Thr Thr Ser Asn Leu Arg Arg
 43 1 5
 45 <210> SEQ ID NO: 4
 46 <211> LENGTH: 7
 47 <212> TYPE: PRT

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48 <213> ORGANISM: Artificial Sequence
49 <220> FEATURE:
50 <223> OTHER INFORMATION: Description of Artificial Sequence: Veg 1 AA
51 sequence F2
52 <400> SEQUENCE: 4
53 Arg Ser Ser Asn Leu Gln Arg
54 1 5
56 <210> SEQ ID NO: 5
57 <211> LENGTH: 7
58 <212> TYPE: PRT
59 <213> ORGANISM: Artificial Sequence
60 <220> FEATURE:
61 <223> OTHER INFORMATION: Description of Artificial Sequence: Veg 1 AA
62 sequence F3
63 <400> SEQUENCE: 5
64 Arg Ser Asp His Leu Ser Arg
65 1 5
67 <210> SEQ ID NO: 6
68 <211> LENGTH: 9
69 <212> TYPE: DNA
70 <213> ORGANISM: Artificial Sequence
71 <220> FEATURE:
72 <223> OTHER INFORMATION: Description of Artificial Sequence: Veg 3a target
73 site
74 <400> SEQUENCE: 6
75 gcggaggct 9
77 <210> SEQ ID NO: 7
78 <211> LENGTH: 7
79 <212> TYPE: PRT
80 <213> ORGANISM: Artificial Sequence
81 <220> FEATURE:
82 <223> OTHER INFORMATION: Description of Artificial Sequence: Veg 3a AA
83 sequence F1
84 <400> SEQUENCE: 7
85 Gln Ser Ser Asp Leu Gln Arg
86 1 5
88 <210> SEQ ID NO: 8
89 <211> LENGTH: 7
90 <212> TYPE: PRT
91 <213> ORGANISM: Artificial Sequence
92 <220> FEATURE:
93 <223> OTHER INFORMATION: Description of Artificial Sequence: Veg 3a AA
94 sequence F2
95 <400> SEQUENCE: 8
96 Arg Ser Ser Asn Leu Gln Arg
97 1 5
99 <210> SEQ ID NO: 9
100 <211> LENGTH: 7
101 <212> TYPE: PRT

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102 <213> ORGANISM: Artificial Sequence
103 <220> FEATURE:
104 <223> OTHER INFORMATION: Description of Artificial Sequence: Veg 3a AA
105 sequence F3
106 <400> SEQUENCE: 9
107 Arg Ser Asp Glu Leu Ser Arg
108 1 5
110 <210> SEQ ID NO: 10
111 <211> LENGTH: 298
112 <212> TYPE: DNA
113 <213> ORGANISM: Artificial Sequence
114 <220> FEATURE:
115 <223> OTHER INFORMATION: Description of Artificial Sequence: Veg1
116 nucleotide sequence
117 <400> SEQUENCE: 10
118 ggtacccata cctggcaaga agaagcagca catctgccac atccagggct gtggtaaagt 60
119 ttacggcaca acctcaaatac tgcgtcgtaa cctgcgtgg cacaccggcg agaggcctt 120
120 catgtgtacc tggtcctact gtggtaaact cttcacccgt tcgtcaaacc tgcagcgtca 180
121 caagcgtacc cacaccgggtg agaagaaaatt tgcttgcccg gagtgccga agcgcattcat 240
122 gcgtagtgac cacctgtccc gtcacatcaa gaccaccag aataagaagg gtggatcc 298
124 <210> SEQ ID NO: 11
125 <211> LENGTH: 99
126 <212> TYPE: PRT
127 <213> ORGANISM: Artificial Sequence
128 <220> FEATURE:
129 <223> OTHER INFORMATION: Description of Artificial Sequence: Veg1 amino
130 acid sequence
131 <400> SEQUENCE: 11
132 Val Pro Ile Pro Gly Lys Lys Gln His Ile Cys His Ile Gln Gly
133 1 5 10 15
134 Cys Gly Lys Val Tyr Gly Thr Thr Ser Asn Leu Arg Arg His Leu Arg
135 20 25 30
136 Trp His Thr Gly Glu Arg Pro Phe Met Cys Thr Trp Ser Tyr Cys Gly
137 35 40 45
138 Lys Arg Phe Thr Arg Ser Ser Asn Leu Gln Arg His Lys Arg Thr His
139 50 55 60
140 Thr Gly Glu Lys Lys Phe Ala Cys Pro Glu Cys Pro Lys Arg Phe Met
141 65 70 75 80
142 Arg Ser Asp His Leu Ser Arg His Ile Lys Thr His Gln Asn Lys Lys
143 85 90 95
144 Gly Gly Ser
146 <210> SEQ ID NO: 12
147 <211> LENGTH: 29
148 <212> TYPE: DNA
149 <213> ORGANISM: Artificial Sequence
150 <220> FEATURE:
151 <223> OTHER INFORMATION: Description of Artificial Sequence: duplex
152 oligonucleotide binding target 5'-3'
153 <400> SEQUENCE: 12

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154 catgcatagc ggggaggagtc gccatcgat 29
156 <210> SEQ ID NO: 13
157 <211> LENGTH: 14
158 <212> TYPE: PRT
159 <213> ORGANISM: Artificial Sequence
160 <220> FEATURE:
161 <223> OTHER INFORMATION: Description of Artificial Sequence: NLS derived
162 SV40 large T-antigen
163 <400> SEQUENCE: 13
164 Met Ala Pro Lys Lys Lys Arg Lys Val Gly Ile His Gly Val
165 1 5 10
167 <210> SEQ ID NO: 14
168 <211> LENGTH: 8
169 <212> TYPE: PRT
170 <213> ORGANISM: Artificial Sequence
171 <220> FEATURE:
172 <223> OTHER INFORMATION: Description of Artificial Sequence:
173 double-stranded oligonucleotide encoding a FLAG
174 epitope
175 <400> SEQUENCE: 14
176 Asp Tyr Lys Asp Asp Asp Asp Lys
177 1 5
179 <210> SEQ ID NO: 15
180 <211> LENGTH: 19
181 <212> TYPE: DNA
182 <213> ORGANISM: Artificial Sequence
183 <220> FEATURE:
184 <223> OTHER INFORMATION: Description of Artificial Sequence: target site
185 for human VEGF-A
186 <400> SEQUENCE: 15
187 ggggaggagtc gcggaggct 19
189 <210> SEQ ID NO: 16
190 <211> LENGTH: 5
191 <212> TYPE: PRT
192 <213> ORGANISM: Artificial Sequence
193 <220> FEATURE:
194 <223> OTHER INFORMATION: Description of Artificial Sequence: linker
195 sequence
196 <400> SEQUENCE: 16
197 Asp Gly Gly Gly Ser
198 1 5
200 <210> SEQ ID NO: 17
201 <211> LENGTH: 298
202 <212> TYPE: DNA
203 <213> ORGANISM: Artificial Sequence
204 <220> FEATURE:
205 <223> OTHER INFORMATION: Description of Artificial Sequence: Veg3a
206 nucleotide sequence
207 <400> SEQUENCE: 17

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208 ggtacccata cctggcaaga agaaggcagca catctgccac atccaggct gtggtaaagt 60
 209 ttacggccag tcctccgacc tgcagcgtca cctgcgcgtgg cacaccggcg agaggcctt 120
 210 catgtgtacc tggtcctact gtggtaaacf cttcacccgt tcgtcaaaacc tacagaggca 180
 211 caagcgtaca cacaccggtg agaagaaatt tgcttgcctg gagtgtccga agcgcttcat 240
 212 gcgaaagtgac gagctgtcac gacatatcaa gaccaccag aacaagaagg gtggatcc 298
 214 <210> SEQ ID NO: 18
 215 <211> LENGTH: 99
 216 <212> TYPE: PRT
 217 <213> ORGANISM: Artificial Sequence
 218 <220> FEATURE:
 219 <223> OTHER INFORMATION: Description of Artificial Sequence: Veg3a amino
 220 acid sequence
 221 <400> SEQUENCE: 18
 222 Val Pro Ile Pro Gly Lys Lys Gln His Ile Cys His Ile Gln Gly
 223 1 5 10 15
 224 Cys Gly Lys Val Tyr Gly Gln Ser Ser Asp Leu Gln Arg His Leu Arg
 225 20 25 30
 226 Trp His Thr Gly Glu Arg Pro Phe Met Cys Thr Trp Ser Tyr Cys Gly
 227 35 40 45
 228 Lys Arg Phe Thr Arg Ser Ser Asn Leu Gln Arg His Lys Arg Thr His
 229 50 55 60
 230 Thr Gly Glu Lys Lys Phe Ala Cys Pro Glu Cys Pro Lys Arg Phe Met
 231 65 70 75 80
 232 Arg Ser Asp Glu Leu Ser Arg His Ile Lys Thr His Gln Asn Lys Lys
 233 85 90 95
 234 Gly Gly Ser
 236 <210> SEQ ID NO: 19
 237 <211> LENGTH: 29
 238 <212> TYPE: DNA
 239 <213> ORGANISM: Artificial Sequence
 240 <220> FEATURE:
 241 <223> OTHER INFORMATION: Description of Artificial Sequence: Veg3a DNA
 242 target site
 243 <400> SEQUENCE: 19
 244 catgcataatc gcggaggctt ggcatcgat 29
 246 <210> SEQ ID NO: 20
 247 <211> LENGTH: 29
 248 <212> TYPE: DNA
 249 <213> ORGANISM: Artificial Sequence
 250 <220> FEATURE:
 251 <223> OTHER INFORMATION: Description of Artificial Sequence: primer SPE7
 252 <400> SEQUENCE: 20
 253 gagcagaatt cggcaagaag aagcagcac 29
 255 <210> SEQ ID NO: 21
 256 <211> LENGTH: 26
 257 <212> TYPE: DNA
 258 <213> ORGANISM: Artificial Sequence
 259 <220> FEATURE:
 260 <223> OTHER INFORMATION: Description of Artificial Sequence: primer

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/084,826

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Input Set : N:\Crf3\RULE60\10084826.raw

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